- 1. A method of extruding structural members comprising:
- (a) providing an alloy comprising:

about 3.6 to about 4.2 wt.% copper,

about 1.0 to about 1.6 wt.% magnesium,

about 0.3 to about 0.8 wt.% manganese,

about 0.05 to about 0.25% zirconium,

the balance substantially aluminum, incidental elements and impurities;

- (b) extruding said alloy within about 500° to about 750° F to form an extrusion;
 - (c) solution heat treating said extrusion; and
- (d) quenching said extrusion before making a structural member therefrom.
 - 2. The method of claim 1 wherein (b) is about 550° to about 650°F.
 - 3. The method of claim 1 wherein (b) is about 600° to about 650°F.
 - 4. The method of claim 1 which further includes:
 - (e) stretching said extrusion by at least about 1%.

- 5. The method of claim 1 which further includes:
- (e) stretching said extrusion between about 1 to about 10%.
- 6. The method of claim 1 which further includes:
- (e) stretching said extrusion between about 1 to about 8%.
- 7. The method of claim 1 which further includes:
- (e) stretching said extrusion between about 1 to about 3%.
- 8. The method of claim 1 which further includes:
- (e) stretching said extrusion by at least about 1%, said extrusion having less than about 50% by volume recrystallized after stretching.
 - 9. The method of claim 1 which further includes:
- (e) stretching said extrusion by at least about 1%, said extrusion being substantially unrecrystallized.
 - 10. The method of claim 1 which further includes:
- (e) stretching said extrusion by at least about 1%; said extrusion having a longitudinal yield strength of at least about 50 ksi and a longitudinal tensile ultimate strength of at least about 70 ksi.

11. A substantially unrecrystallized extrusion comprising:

about 3.6 to about 4.2 wt.% copper,

about 1.0 to about 1.6 wt.% magnesium,

about 0.3 to about 0.8 wt.% manganese,

about 0.05 to about 0.25% zirconium,

the balance substantially aluminum, incidental elements and impurities.

- 12. The substantially unrecrystallized extrusion of claim 11 wherein the alloy further includes not more than about 0.06% silicon and not more than about 0.08% iron.
- 13. The substantially unrecrystallized extrusion of claim 11 wherein the alloy includes about 3.7 to about 4.1 wt.% copper.
- 14. The substantially unrecrystallized extrusion of claim 11 wherein the alloy includes about 1.15 to about 1.5 wt.% magnesium.
- 15. The substantially unrecrystallized extrusion of claim 11 wherein the alloy includes about 0.5 to about 0.6 wt.% manganese.

impurities,

- 16. The substantially unrecrystallized extrusion of claim 11 wherein the alloy includes about 0.09 to about 0.13% zirconium.
 - 17. A substantially unrecrystallized extrusion comprising:

about 3.6 to about 4.2 wt.% copper,

about 1.0 to about 1.6 wt.% magnesium,

about 0.3 to about 0.8 wt.% manganese,

about 0.05 to about 0.25% zirconium,

the balance substantially aluminum, incidental elements and

said substantially unrecrystallized extrusion having a longitudinal yield strength of at least about 50 ksi and a longitudinal tensile ultimate strength of at least about 70 ksi.

- 18. The substantially unrecrystallized extrusion of claim 17 wherein the alloy further includes not more than about 0.06% silicon and not more than about 0.08% iron.
- 19. The substantially unrecrystallized extrusion of claim 17 wherein the alloy includes about 3.7 to about 4.1 wt.% copper.

- 20. The substantially unrecrystallized extrusion of claim 17 wherein the alloy includes about 1.15 to about 1.5 wt.% magnesium.
- 21. The substantially unrecrystallized extrusion of claim 17 wherein the alloy includes about 0.5 to about 0.6 wt.% manganese.
- 22. The substantially unrecrystallized extrusion of claim 17 wherein the alloy further includes about 0.09 to about 0.13% zirconium.
- 23. The substantially unrecrystallized extrusion of claim 17 wherein the alloy further includes less than about 1.5 vol.% of Fe, Si, Mg, Mn and Cu bearing intermetallic particles.
 - 24. A substantially unrecrystallized aircraft component comprising: about 3.6 to about 4.2 wt.% copper, about 1.0 to about 1.6 wt.% magnesium, about 0.3 to about 0.8 wt.% manganese, about 0.05 to about 0.25% zirconium,

the balance substantially aluminum, incidental elements and impurities.

- 25. The substantially unrecrystallized aircraft component of claim24 wherein the component is an aircraft fuselage component.
- 26. The substantially unrecrystallized aircraft component of claim24 wherein the component is an aircraft wing stringer component.